

Room Air Conditioners

Portable Heat Pump Range



ECO10P

Register your air conditioner

Model information can be found on the CE label.

Please register your product online at www.ecoair.org. For your future convenience, record the model information below.

MODEL NUMBER

SERIAL NUMBER

PURCHASE DATE

Congratulations!

You have purchased the very latest in room air conditioner technology. Your new EcoAir high efficiency room air conditioner will give you many years of dependable service. Many features have been built into your EcoAir air conditioner to assure quiet operation, the best circulation of cool, dry air, functional controls, and the most economical operation.

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WEE/EC2601UR


Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. When this product reaches its end of life, contact your local authorities regarding disposal.

BS Plug Wiring

Wiring Instructions: Should it be necessary to change the plug please note the wires in the mains lead are coloured in accordance with the following code:

**BLUE - NEUTRAL
BROWN – LIVE
GREEN AND YELLOW - EARTH**

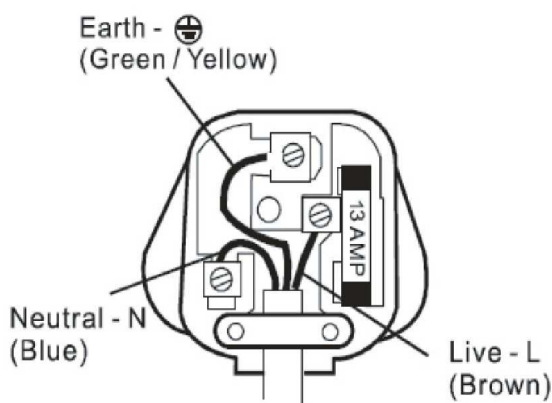
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

1. The **BLUE** wire is the **NEUTRAL** and must be connected to the terminal which is marked with the letter **N** or coloured **BLACK**.
2. The **BROWN** wire is the **LIVE** and must be connected to the terminal which is marked with the letter **L** or coloured **RED**.
3. The **GREEN/YELLOW** is the **EARTH** and must be connected to the terminal which is marked with the letter **E** or  or coloured **GREEN OR GREEN/YELLOW**.
4. Always ensure that the cord grip is positioned and fastened correctly.

If a 13A (BS 1363) fused plug is used it must be fitted with a 13A fuse. If in doubt consult a qualified electrician.

Wiring for a 13 Amp Plug (BS1363)

Please note. The Earth Terminal is marked with the letter **E** or  Earth Symbol



SPECIFICATION

Model no.	ECO10P
Cooling capacity	10528 BTU/hr 3084 watts
Heating capacity	10000 BTU/hr 2930 watts
Power/Ampere consumption for cooling	1050 W/ 4.7A
Power/Ampere consumption for heating	940 W/ 5.0A
Air volume (max. speed)	300m ³ /h
Humidity removal capacity	24L/day
Power supply	220-240V~. 50Hz
Compressor	rotary
Noise Level	53 dB
Refrigerant	R410A (370g)
Fan speed	2
Timer	1~12 hours
Working temperature	Cooling: 18 ~ 32°C Heating: 7 ~ 25°C
Exhaust pipe	Ø 120x1500mm
Net Weight	25.5 kgs
Gross Weight	28.0 kgs
Net Dimension	305x752x383 mm (WxHxD)
Gross Dimension	345x775x523 mm (WxHxD)

REMARK:

- Measuring condition for above is as per EN 14511 :

Cooling – DB=35°C , WB=24°C

Heating – DB=20°C , WB=15°C

*DB = temperature of dry bulb = room temperature,

WB = temperature of wet bulb = relative humidity.

BEFORE USE

GENERAL SAFETY

- ONLY USE IN THE UPRIGHT POSITION ON A FLAT LEVEL SURFACE AND AT LEAST 50cm FROM ANY OBJECTS (Fig 1&4).
- DO NOT PLACE OBJECTS ON THE UNIT OR RESTRICT AIR INLET/OUTLET (FIG. 2).
- CLOSELY SUPERVISE ANY CHILDREN AND PETS WHEN UNIT IS IN USE.
- THIS APPLIANCE IS NOT INTENDED FOR USE BY PERSONS (INCLUDING CHILDREN) WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE, UNLESS THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY. CHILDREN SHOULD BE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH APPLIANCE.

ELECTRICAL SAFETY

- FOR INDOOR USE ONLY.
- SWITCH OFF AND UNPLUG WHEN NOT IN USE.
- DO NOT USE IN HUMID OR WET ENVIRONMENTS (FIG 3)
- DO NOT PULL THE UNIT ALONG BY THE CORD.
- IF THE SUPPLY CORD IS DAMAGED, IT MUST BE REPLACED BY AN ELECTRICIAN OR SIMILARLY QUALIFIED PERSON, TO AVOID HAZARD.

FIG. 1

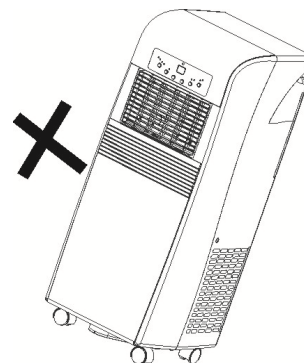


FIG. 2

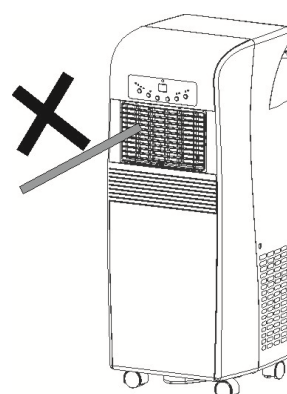
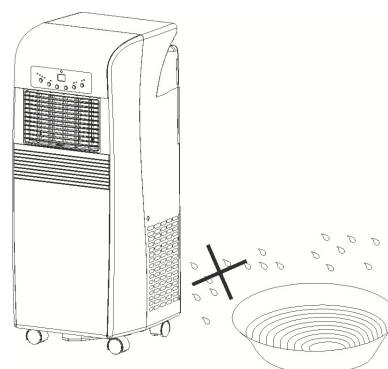


FIG. 3



FOR MAXIMUM EFFICENCY

- Do not exceed the recommended room size.
- Take into account the number of people or equipment used in the room as these produce heat and will reduce the cooling effectiveness.
- Avoid opening doors frequently.
- Keep curtains or blinds closed during the warmest part of the day.
- Keep filters clean.
- Once room has reached the desired conditions, reduce temperature and ventilation setting.
- Locate air conditioner where airflow is not obstructed to increase air flow.
- Close any air grilles, windows or ducting to avoid cooled air escaping during use.

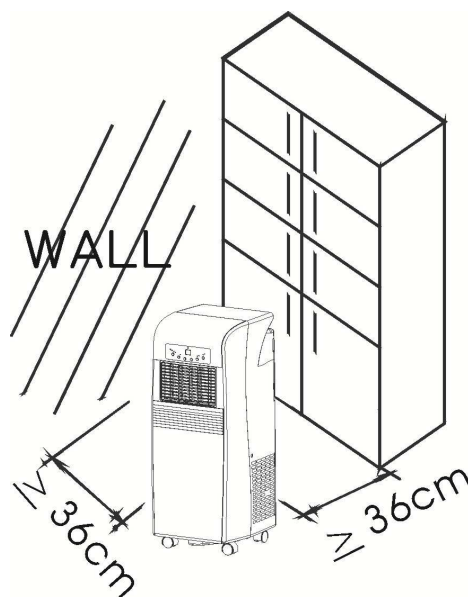


FIG.4

PRODUCT DESCRIPTION

Front

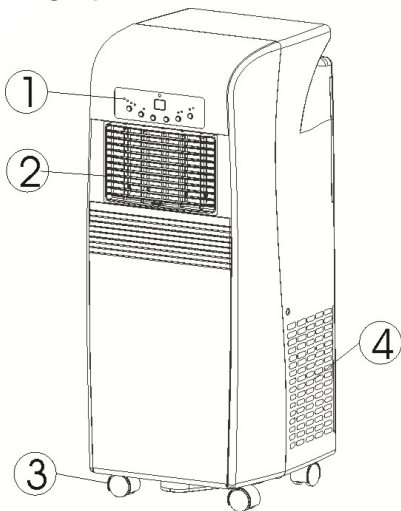


FIG.5

1. Control panel
2. Air vent (air outlet)
3. Caster
4. Air inlet

Back

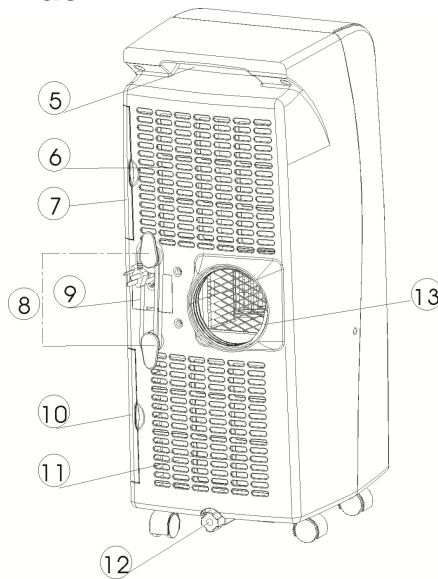


FIG.6

5. Carrying handle
6. Air inlet
7. Air filter
8. Cord hanger
9. Compartment for cord storage
10. Air filter
11. Air inlet
12. Water bung
13. Air outlet

Accessories

14. Outward adaptor - for insertion over hose and into foam strip (or into hole in the wall/window).
15. Round cap for filling the hole in wall/window.
16. Exhaust hose
17. Foam strip - for filling the open window space and with hole for connection to exhaust hose.
18. Foam strip - for filling the open window space
19. Drain tube for continuous drainage
20. Active carbon filter
21. Remote control

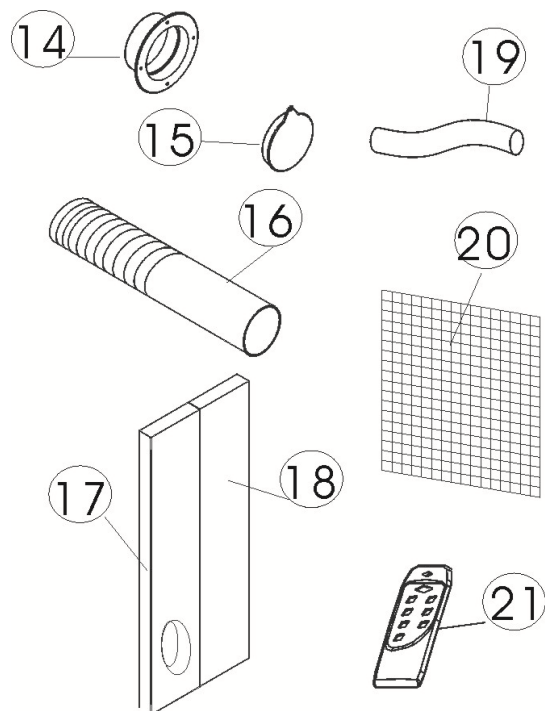


FIG 7

INSTALLATION

Installation of the exhaust pipe

The unit is a portable air conditioner that may be moved from room to room.

1. Using the foam strips.

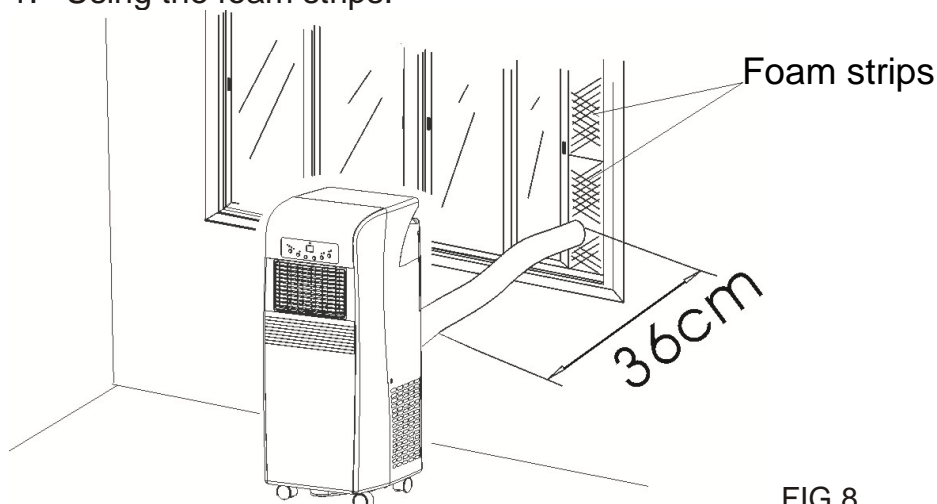


FIG.8

- Offer foam strips to the window gap and cut to size if necessary.
- Feed exhaust hose through the foam strip and insert strip into window gaps as shown and slide window across so that foam is held securely. This technique may also be used for sash windows. Note: Take care to maintain protection against intruders.

2. Using the adaptor.

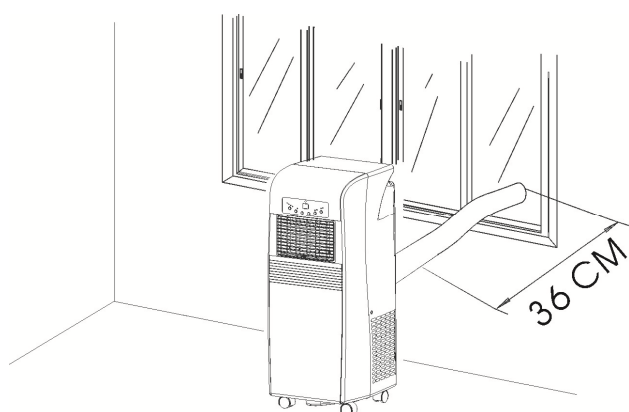


FIG.9

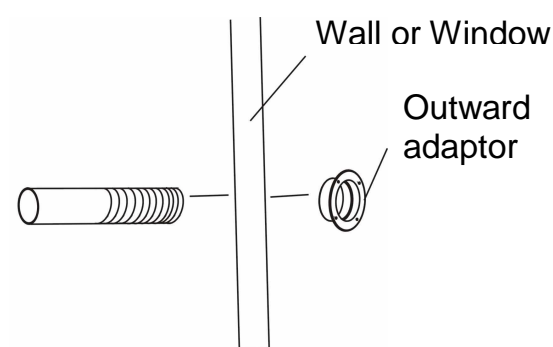


FIG.10

- Cut a 130mm diameter hole in the wall or window.
- Feed exhaust hose through the window or wall and attach the threaded adaptor from the outside as shown.
- When not in use, plug the hole with the cover provided.

MOUNTING OF THE EXHAUST PIPE

- Use only the hose provided and clip exhaust hose to the back of the air conditioner.
- Avoid kinks and bends in the exhaust hose as this will cause expelled moist air to build up causing the unit to overheat and shut down. Fig 11 & 12 show correct position.
- The hose may be extended from 300mm to 1500mm but for maximum efficiency use the shortest length possible.

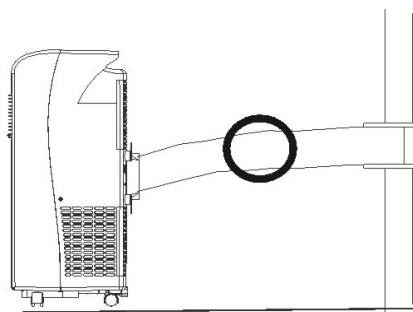


FIG.11

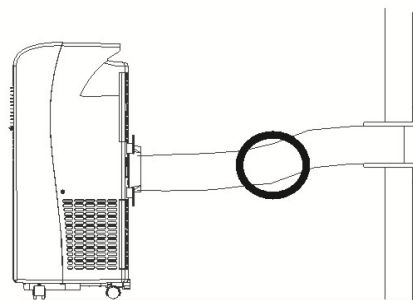


FIG.12

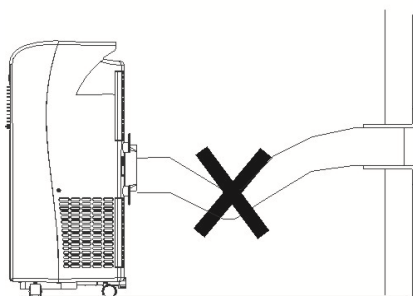


FIG.13

INSTALLATION OF CARBON FILTER

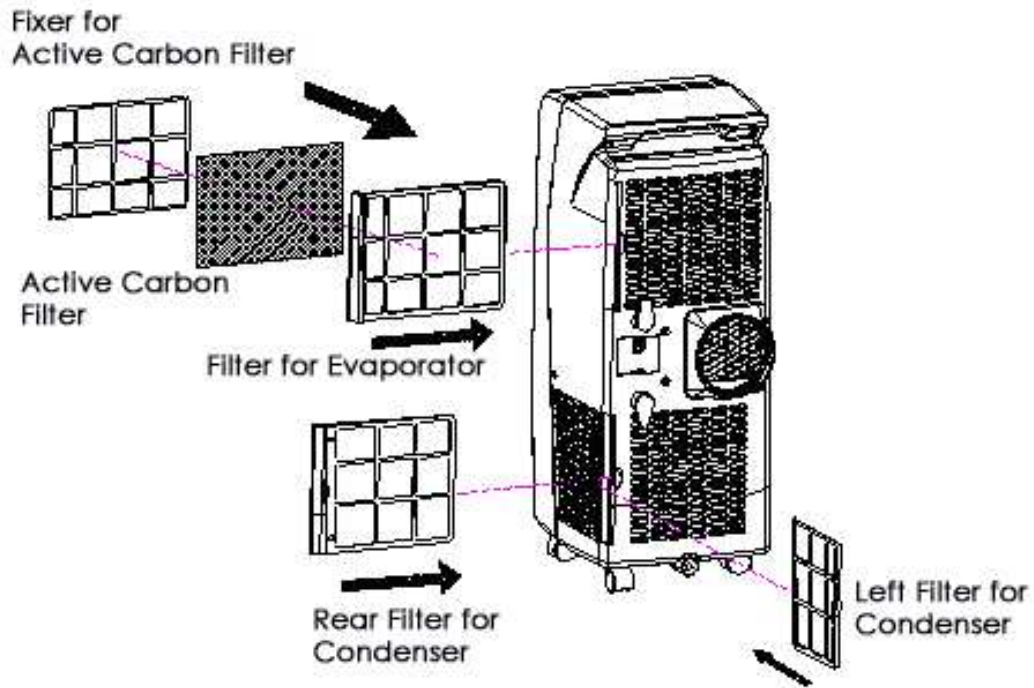


FIG.15

1. Remove the filter frame from the unit.
2. Remove the filter fixer from the filter frame.
3. Remove the active carbon filter from its plastic bag.
4. Attach the active carbon filter to the filter frame.
5. Attach the filter fixer to the filter frame (the active carbon filter should be hold between the filter frames and filter fixer firmly).
6. Insert the filter set (filter frame + active carbon filter + filter fixer) into the back of the unit.

OPERATION OF CONTROL PANEL

Control panel

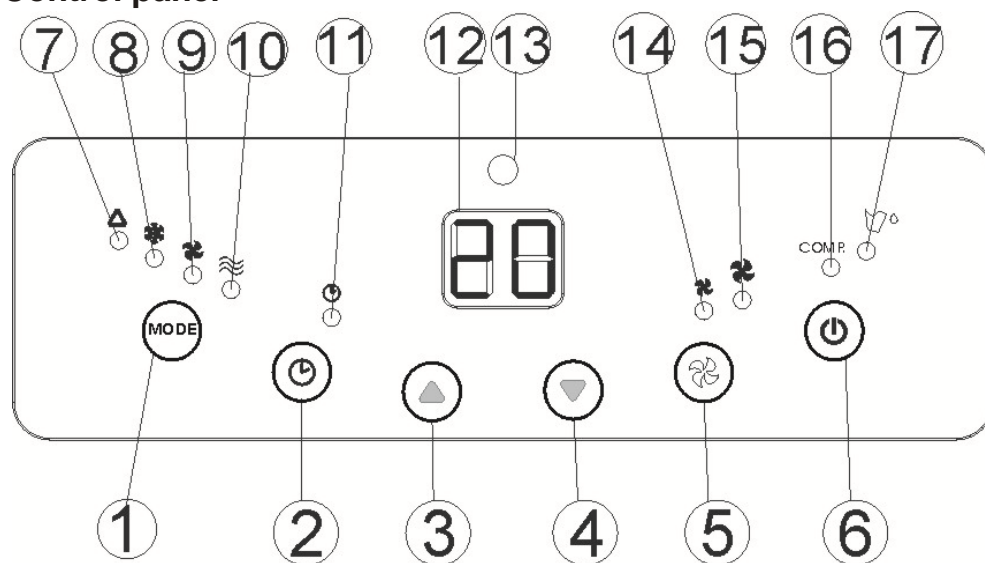


FIG.16

- | | |
|---------------------------------------|--|
| 1. Mode (function) option button | 10. Heating mode operation indicator (only available for the mode with heating function, please refer to the actual unit you purchased) |
| 2. Timer button | 11. Timer operation indicator |
| 3. 'Temperature up' button | 12. Display window |
| 4. 'Temperature down' button | 13. Receiver for remote control |
| 5. Speed (ventilation)button | 14. Low ventilation indicator |
| 6. ON/OFF (power) button | 15. High ventilation indicator |
| 7. Automatic mode operation indicator | 16. Compressor operation indicator |
| 8. Cooling mode operation indicator | 17. "Water Full" indicator |
| 9. Fan mode operation indicator | |

Turning ON/OFF

- Press ON/OFF button, the unit will start automatically. If the ambient temperature is
 - higher than 23°C, the unit will work in cooling model.
 - higher than 20°C but below or equal to 23°C, the unit will work in ventilation model.
 - below 20°C, the unit will work in heating function (This is for cooling & heating models only.),
- Indicators of the functions in progress come on at the same time. *NOTE! The display window shows the ambient room temperature from 0°C to 50°C
- To turn the unit off, press ON/OFF button again.

Setting mode/function

Press MODE button to select required working mode: automatic, cooling or fan.
The indicator of your selected mode comes on.

Setting temperature

1. Press 'Temperature up' or 'Temperature down' button to regulate the temperature you desired.
2. The display window will show the temperature you set as you press 'Temperature up' or 'Temperature down' button. Otherwise, it will always show the ambient temperature.
3. The pre-setting temperature of this machine is: 24°C for cooling

Setting ventilation speed

1. Press SPEED button to choose the ventilation speed you need, high or low. The indicator of high or low ventilation will light on at the same time.
2. If the unit is in AUTO mode, it will choose the ventilation speed automatically according to the ambient temperature (the related indicators will light on), at this time, the speed switch is invalid.

Setting timer

1. Press TIMER button to set the operating hours you desired (1 to 12 hours, the timer indicator will light on). When the set time has been reached, the machine will turn off automatically. The display window will show the hour(s) you set as you press TIMER button. If the timer button is not pressed, the unit will work continuously.
2. By pressing the timer but without turning on the other functions, you can PRE-SET the time for the machine to work. For example, if you press the timer to '2', the unit will work automatically after 2 hours.

All the above functions can also be performed with the supplied remote control.

This remote control requires 2 pcs AAA batteries to operate



FIG. 17

Regulating air flow direction

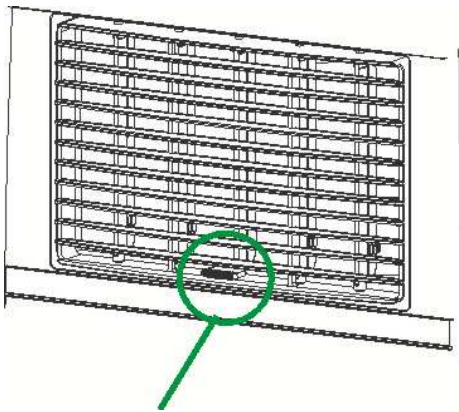


FIG.18

Turn the roller on the air vent to control the air flow direction left or right.

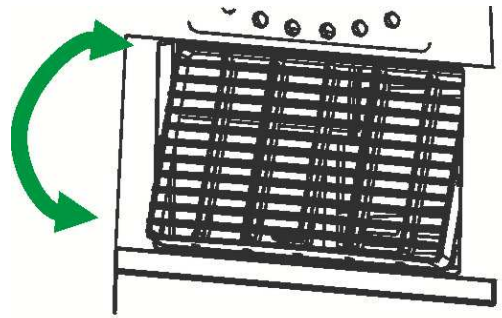


FIG.19

The up & down air flow direction can be adjusted by moving the air vent directly.

NOTICE !

1. To prolong the compressor's life, after switching off the unit, please wait for a minimum of 3 minutes before switching on again.
2. The cooling system will switch off if the ambient temperature is lower than the set temperature. The ventilation, however, keeps working on the set level. If the ambient temperature rises above the selected level, the cooling will return to work.
3. The heating will switch off if the ambient temperature is higher than the set temperature. The ventilation keeps working on the set level. As the ambient temperature drops below the selected level, the heating will return to work.
4. This machine is equipped with ANTI-FROST function. While using the heating function during low temperature, sometimes the heating will stop for a while in order to melt the frost. As this occurs, just wait for the heating to return to work.

DRAINAGE

During the process of cooling, some water will be extracted from the air into the unit. Most of the water will be evaporated by the coil for maximum efficiency. However in very warm temperature or humid condition, excessive condensation may occur and will require water drainage when tank is full. If the tank is full, both of the compressor and motor will stop. The “water full” sign will light on, also the machine will beep as reminder.

To make the cooling work again, please empty the water by one of the following ways:

1. Turn off the air conditioner and avoid moving it when full.
2. Position a container (a water tray for example) underneath the drain hole.
3. Remove the drain knob & rubber plug from the drain hole and allow the water to drain out.
4. When the container is almost full, replace the rubber plug in the drain hole and empty the water tray.
5. Repeat until the unit is emptied.
6. Replace the rubber plug and tighten the drain knob firmly.
7. Switch on the unit - the full water indicator should not be flashing.

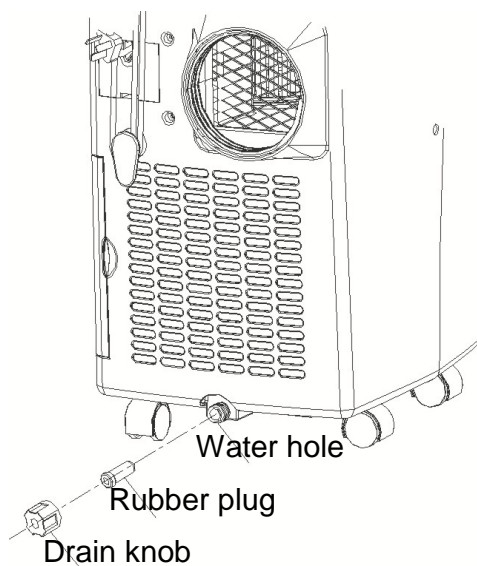


FIG.20

If you wish to operate the unit without the need to empty the water tank, please:

- Remove the drain knob and rubber plug and retain for future use.
- Connect the drain tube supplied to the water outlet as shown and locate the other end into a drain.

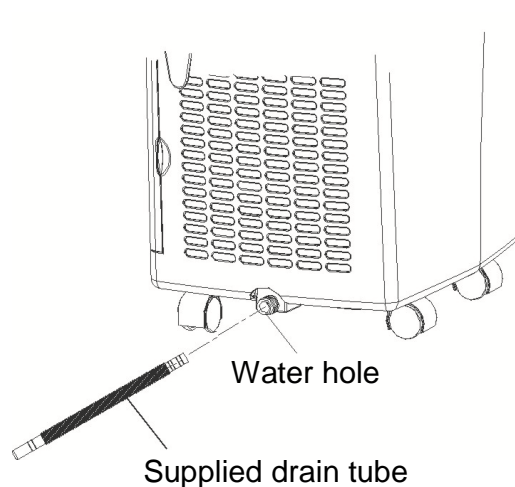


FIG.21

- The drain tube may be extended by adding an extension tube and using a suitable connector.

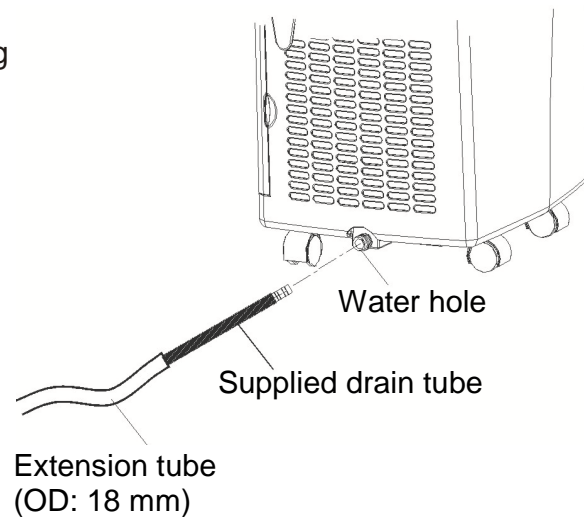


FIG.22

Please note

1. The drain must be at or below the outlet level.
2. 'Water Full' indicator will not function in this mode of drainage.
3. If you want to extend the water tube, you can connect it with another tube (OD: 18mm)
4. When the room humidity is over 85%, it is necessary to use "continuous drainage" with the extended drain tube.

Special caution for heating function!

While using the heating function, please note:

1. Install the exhaust pipe well, in order to exhaust the cool air to outdoor. (Please refer to the instruction manual for installation method.)
2. Fix the drainage to be continuous one (i.e. drain the water by water tube). This is compulsory for use in heating mode. This is compulsory for use in heating mode.

Working range for heating function is 7 to 27°C (for cooling function, it is 18 to 32°C). For temperature outside this range, the unit may not work properly.

MAINTENANCE

**Always unplug the air conditioner from the mains before cleaning.
To maximize the efficiency of the air conditioner, clean regularly.**

Cleaning the housing

Use a soft, damp cloth to wipe the body clean.

Never use aggressive chemicals, gasoline, detergents, chemically treated cloths, or other cleansing solutions. These all could possibly hurt the cabinet.

Cleaning the filter

Use a vacuum cleaner or tap the filter lightly to remove loose dust and dirt from the filters and then rinse thoroughly under running water (no hotter than 40°C).

Dry thoroughly before replacing.

Notice! Never operate the unit without the filters.

End of season storage

- Drain any water in the unit before completely operating the unit on ventilation only mode for a few hours, to thoroughly dry the inside.
- Clean or change the filter
- Unplug and store the power cord as shown
- Replace in the original carton or cover for storage.

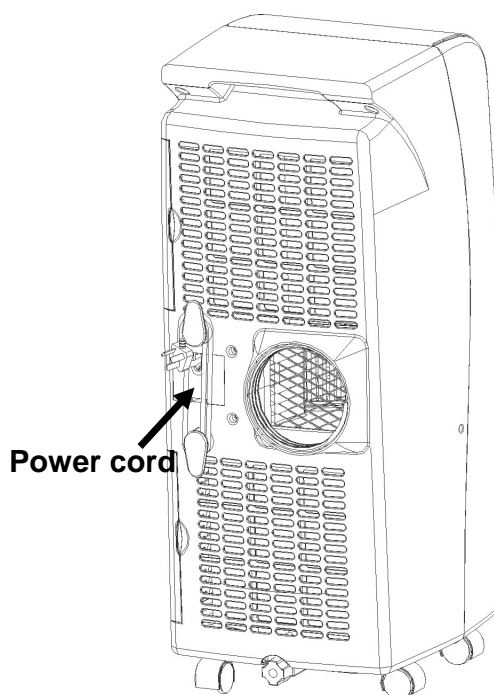


FIG.23

FAULT CHECK LIST

The air conditioner does not run

- Is the air conditioner plugged in?
- Is there a power failure?
- Is the comp / 'full water' indicator flashing?
- Is the room temperature below the set temperature?

The machine seems to do little

- Is there direct sunshine? (Please put down the curtain.)
- Are too many windows or doors open?
- Are there too many people in the room?
- Is there something in the room producing lots of heat?

The machine seems to do nothing.

- Is the filter dusty, contaminated?
- Is the air intake or output blocked up?
- Is the room temperature below your selected temperature?

Too noisy

- Is the machine positioned unevenly so as to create vibration?
- Is the floor underneath the machine uneven?

The compressor doesn't run.

- Is so, it is possible the overheat protection of the compressor is on. Just wait for the temperature to drop.

☆ Never try to repair or dismantle the unit yourself.

EASY TO ORDER FORM FOR ACCESSORIES

(Please complete in BLOCK CAPITALS in black ink)

Full Name:	
Previous Invoice No.: (If available)	
Model No.	
Delivery Address:	
Telephone No.:	
Email Address:	
Signature	

DESCRIPTION	PRODUCT CODE	QTY	UNIT PRICE	TOTAL
<u>Filters</u>				
Left Filter for Condenser	10P-114		£12.99	
Rear Filter for Condenser	10P-115		£10.99	
Filter for Evaporator & Fixer	10P-116&117		£14.99	
Active Carbon Filter	10P-806		£12.99	
<u>Remote Control</u>	10P-204		£19.99	
<u>Exhaust Accessories</u>				
Exhaust Hose (1.5m)	10P-138		£24.99	
Tube for continuous drainage	10P-135		£6.99	
Extension drainage tube (1m)	10P-815		£4.99	
Water Bung	10P-134		£6.99	
<u>Other Accessories</u>				
Caster Wheels	10P-304		£4.99	
Window Spacer Set	10P-141&142		£14.99	
Round Window Connector Set	10P-139&140		£14.99	
			Sub Total	
			Standard Delivery (Free)	
			Next Day Delivery (Call)	
			TOTAL	

* Price includes VAT and shipping to UK mainland only (except Scottish Highlands and remote areas)

*Note: Please see page 5 for your reference.

To place your order...

Call us on 020 8459 2458 , Fax 020 8451 1587
Unit 7 Propeller Park, 400 Circular Road, London, NW10 0AB

ONE (1) YEAR LIMITED WARRANTY SAVE THIS WARRANTY INFORMATION

EcoAir guarantees this product free from defects in materials and workmanship for a period of one (1) year from the date of purchase, limited to parts only.

Faults arising from a faulty installation is specifically excluded.

This unit must be operated under conditions as recommended, at voltages indicated on the unit. Any attempts made to service or modify the unit by unqualified technician, will render this **WARRANTY VOID**. The actual product may differ slightly from the illustration. This warranty is in addition to, and does not affect, your statutory rights.

For after sales needs, please visit www.ecoair.org/service or email technical@ecoair.org or contact +44 845 474 3574

We recommend that you note the details of your purchase below and retain your original proof of purchase receipt with this manual. Keep these documents safe in the event of a warranty claim.

Date of purchase: _____

Purchased from (Dealer Name): _____

Retailer name: _____

Model number: _____

Serial number: _____

Date of installation: _____